On-line Table 1: Imaging, fetopathologic, and immunohistologic findings in group A fetuses

Case	US Findings	MR Findings	(ADC, μm2/ms)	WM ROI	MR/Fetopathologic Examinations Delay (days)	GA at TOP (weeks)	Neuropathologic Findings	Immunohistologic Results	Placental Findings
1	Mild bilateral ventriculomegaly	Bilateral ventriculomegaly (15 mm on the right and 13 mm on the left), subependymal heterotopia, cavitation, WM: normal	1.54	Right frontal	35	36	Mild bilateral ventriculomegaly, subependymal heterotopia	A: +++ E: + M: 0 N: 0 O: 0 V: +++	No abnormality
2	Intraventricular hemorrhage, frontal calcification	Polymicrogyria, calcified leukomalacia, WM: normal	1.40	Right frontal	3	30	Polymicrogyria, calcified necrosis, intraventricular hemorrhage	A: ++ E: + M: ++ N: 0 O: 0 V: +++	No abnormality
3	Suspicion of lissencephaly	Lissencephaly, WM: normal	1.65	Left frontal	17	32	Microcephaly with simplified gyral pattern	A: +++ E: 0 M: + N: 0 O: 0 V: +	Placental hypotrophy, vascular lesions
4	Mild bilateral ventriculomegaly	Bilateral ventriculomegaly (14.6 mm on the right and 15 mm on the left), WM: normal	1.75	Right frontal	18	34	Mild bilateral ventriculomegaly, mild aqueductal stenosis	A: ++ E: + M: 0 N: 0 O: 0 V: +++	Partial circumvallate, small infarcts (10 % of volume)
5	Suspicion of partial vermian agenesis	Partial vermian agenesis, WM: normal	1.68	Left frontal	16	35	Mild unilateral ventriculomegaly, partial vermian agenesis	A: +++ E: ++ M: 0 N: 0 O: 0 V: +++	No abnormality
6	Cervical cystic lymphangioma	Lingual extension of the cystic lymphangioma, WM: normal	1.80	Right frontal	17	34	No cerebral abnormalities	A: ++ E: + M: + N: 0 O: 0 V: ++	No abnormality
7	Severe unilateral ventriculomegaly	Left unilateral ventriculomegaly (35.7 mm), WM: normal	1.62	Right frontal	6	37	Severe unilateral ventriculomegaly	A: + E: 0 M: + N: 0 O: 0 V: +	No abnormality
8	Fetal hypokinesia	No structural abnormalities, WM: normal	1.75	Right frontal	23	33	Micrencephaly, arhinencephaly	A: +++ E: 0 M: + N: 0 O: 0 V: +	No abnormality
9	Corpus callosum agenesis, suspicion of posterior fossa abnormality	Corpus callosum agenesis, vermian hypoplasia, WM: normal	1.70	Right temporal	4	34	Corpus callosum agenesis, vermian hypoplasia, mild unilateral ventriculomegaly	A: + E: + O: 0 V: + M: +++ N: 0	No abnormality
10	Cardiac rhabdomyoma, suspicion of Bourneville tuberous sclerosis	Subependymal tubers, WM: normal	2.00	Right occipital	47	36	WM, subependymal and cortical tubers	A: + E: 0 M: +++ N: 0 O: 0 V: +	Placental hypotrophy
11	IUGR, Doppler abnormalities	Subependymal pseudocysts, WM: *T1, **T2 (Figs 1*A–C*)	1.70	Left parieto-occipital	4	31	Delayed gyration, subependymal pseudocysts	A: + E: +++ M: +++ N: 0 O: 0 V: +++	Placental hypotrophy, voluminous subchorionic thrombosis
12	Toxoplasmosis seroconversion	Focal parenchymal lesions, WM: normal	1.64	Left frontal	6	29	Necrotic focal parenchymal lesions	A: + E: 0 M: + N: 0 O: 0 V: ++	Granulomatous villitis

Note:—Immunohistochemical signal intensity was evaluated as mild (+), moderate (++) and high (+++). 0 indicates absence of abnormality; A, astrogliosis; E, edema; IUGR, intrauterine growth restriction; M, microgliosis; N, neuronal abnormalities; O, oligodendrocytic abnormalities; US, ultrasonography; WM, white matter; ROI, region of interest; ADC, apparent diffusion coefficient; GA, gestational age; TOP, termination of pregnancy; V, vessel proliferation or congestion; *T1, T1 hypointensity; **T2, T2 hyperintensity.

On-line Table 2: Imaging, fetopathologic, and immunohistologic findings in group B fetuses

Case	US Findings	MR Findings	(ADC, μm2/ms)	WM ROI	MR/Feto-pathologic Examinations Delay (days)	GA at TOP (weeks)	Neuropathologic Findings	Immunohistologic Results	Placental Findings
1	Severe bilateral ventriculomegaly	Intraventricular and parenchymal hemorrhage, WM: *T1, **T2	2.20	Left frontal	2	35	Severe bilateral ventriculomegaly, intraventricular and parenchymal hemorrhage	A: +++ E:+++ M: + N: 0 O: 0 V: +++	Placental hypotrophy, mild ischemia
2	IUGR, Doppler abnormalities	No structural abnormalities, WM: *T1, **T2	2.25	Left parieto-occipital	5	33	WM edema	A: ++ E: +++ M: +++ N: 0 O: 0 V: +	Velamentous cord insertion
3	Mild left ventriculomegaly, CMV infection, PCR +	Left ventriculomegaly (12.8 mm), ventricular septation, WM: *T1, **T2	2.28	Left frontal	20	38	Mild bilateral ventriculomegaly, subependymal pseudocysts, viral inclusions	A: +++ E: +++ M: +++ N: 0 O: 0 V: ++	Chronic villitis, no viral inclusions
4	CMV infection, PCR +	No structural abnormalities, WM: *T1, **T2	2.25	Left frontal	6	32	Subependymal pseudocysts, viral inclusions	A: +++ E: + M: +++ N: 0 O: 0 V: +	Specific chronic villitis, viral inclusions
5	Familial history of Joubert syndrome, severe unilateral ventriculomegaly	Left ventriculomegaly (14 mm), WM: normal T1, **T2 (Figs 1*D-F*)	2.10	Left parieto-occipital	14	33	Mild unilateral ventriculomegaly	A: +++ E: ++ M: + N: 0 O: 0 V: ++	Circummarginate placenta
6	Maternal CMV seroconversion, mild unilateral ventriculomegaly, bilateral subependymal pseudocysts, PCR −	Bilateral ventriculomegaly (both 13 mm), bilateral subependymal pseudocysts, WM: *T1, **T2 (Figs 1*G-I*)	2.20	Right frontal	8	35	Mild bilateral ventriculomegaly, bilateral subependymal pseudocysts, no viral inclusions, no fetal infection	A: +++ E: ++ M: + N: 0 O: 0 V: ++	No abnormality
7	Mild bilateral ventriculomegaly, subependymal pseudocysts	Subependymal pseudocysts, WM: *T1, **T2	2.25	Right occipital	20	37	Bilateral subependymal pseudocysts, macrencephaly, wide cavum	A: +++ E: + M: + N: 0 O: 0 V: +	No abnormality
8	IUGR, Doppler abnormalities	Delayed gyration, WM: *T1, **T2	2.40	Right frontal	11	33	Delayed gyration	A: +++ E: +++ M: + N: 0 O: 0 V: +	Placental hypotrophy, villous ischemic change
9	Mild bilateral ventriculomegaly, CMV infection PCR +	Bilateral ventriculomegaly (14.1 mm on the right and 13.4 mm on the left), WM: *T1, **T2	2.39	Right parieto-occipital	10	38	Mild bilateral ventriculomegaly, viral inclusions	A: +++ E: +++ M: +++ N: 0	Specific chronic villitis, viral inclusions

Note:—Immunohistochemical signal intensity was evaluated as mild (+), moderate (++) and high (+++). 0 indicates absence of abnormality; A, astrogliosis; E, edema; CMV, cytomegalovirus; IUGR, intrauterine growth restriction; M, microgliosis; N, neuronal abnormalities; O, oligodendrocytic abnormalities; PCR, polymerase chain reaction in amniotic fluid; US, ultrasonography; WM, white matter; ROI, region of interest; ADC, apparent diffusion coefficient; GA, gestational age; TOP, termination of pregnancy; V, vessel proliferation or congestion; *T1, T1 hypointensity; **T2, T2 hyperintensity.